

ABSTRACT

In order to prevent degradation of accuracy and decrease of strength when a hydrodynamic bearing device is assembled and to reduce a cost of the hydrodynamic bearing device, a guide face 2c serving as a guide when a disc hub 3 is press fitted into a shaft member 2 is formed on the shaft member 2. Then, the guide face 2c, an outer circumferential surface 2a3 of the shaft member 2 adjacent to the guide face 2c, and a boundary portion between the guide face 2c and the outer circumferential surface 2a3 are ground simultaneously, thereby forming a blunting portion 2d having a radius r in the boundary portion. Thus, no edge remains between the guide face 2c and the outer circumferential surface 2a3. Therefore, press-fitting resistance when the disc hub is press fitted to an end of the shaft member 2 can be reduced.